BRUHAT BANGALORE MAHANAGARA PALIKE

EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of Work: Construction of Compound wall at North East portion of Survey No. 33 of Mallasandra

OB NUMBER.: Est. Amount = 150.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate In Rs.	Amount In Rs.
1	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3(Page No. 141, It No. 19.2 of KPWD S.R 2016-17)								
	Fencing Compound	Cum	1	270.00	1.00	1.00	270.00		
	Gril Compound		1	85.00	1.00	1.00	85.00		
	For Compound Wall		1	230.00	1.20	1.20	331.20		
	For Compound Wall		1	170.00	1.00	1.00	170.00		
	For Compound Wall Column		135	1.70	1.70	1.50	585.23		
						Total Qty	1441.43		
	Deduct for Compound Wall Column		135	1.70	1.70	1.00	390.15		
						Total Qty	390.15		
						Total Qty	1051.28	222.04	2,33,425.10
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2016-17)								
	Fencing Compound	Cum	1	270.00	1.00	0.15	40.50		
	Gril Compound		1	85.00	1.00	0.15	12.75		
	For Compound Wall		1	230.00	1.20	0.15	41.40		
			1	170.00	1.00	0.15	25.50		
	For Compound Wall Column		135	1.70	1.70	0.15	58.52		
						Total Qty	178.67		
	Deduct for Compound Wall Column		135	0.23	0.23	0.15	1.07		
						Total Qty	1.07		
						Total Qty	177.60	5449.68	9,67,870.12
3	KSRB 5.4-3: Providing and constructing granite I trap I basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of aterials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.13 of KPWD S.R 2016-17)								
	Fencing Compound	Cum	1	270.00	0.80	0.60	129.60		
			1	270.00	0.60	0.60	97.20		
	Gril Compound		1	85.00	0.80	0.40	27.20		
			1	85.00	0.60	0.60	30.60		
	Compund Wall		1	230.00	1.00	0.40	92.00		
			1	230.00	0.80	0.40	73.60		
			1	230.00	0.60	0.40	55.20		
	Compund Wall		1	170.00	0.80	0.40	54.40		
			1	170.00	0.60	0.60	61.20		
						Total Qty	621.00		
	Deduct for Compund Wall Column		135	0.23	0.23	0.80	5.71		
						Total Qty	5.71		
						Total Qty	615.29	6019.92	37,03,977.31
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No. 23, It No. 5.9 of KPWD S.R 2016-17)								
	Fencing Compound	Cum	1	270.00	0.45	1.00	121.50		
	Gril Compound		1	85.00	0.45	1.20	45.90		
	Compund Wall		1	230.00	0.45	0.40	41.40		
			1	170.00	0.45	1.00	76.50		
						Total Qty	285.30		
	Deduct for Compund Wall Column		135	0.23	0.23	0.60	4.28		
						Total Qty	4.28		
						Total Qty	281.02	5405.40	15,18,999.02
5	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.(Page No. 12, It No. 4.5 of KPWD S.R 2016-17)								
	Pol Bottom for Fencing Compound	Cum	91	0.40	0.45	0.40	6.55		
	Coping for Fencing Compound		1	270.00	0.45	0.10	12.15		
	Coping for Gril Compound		1	85.00	0.45	0.10	3.83		
	Coping for Compound Wall		1	230.00	0.45	0.10	10.35		
			1	170.00	0.45	0.10	7.65		
						Total Qty	40.53	5985.36	2,42,568.68

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
6	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaltons. Specification No. KBS 4.6.2.(Page No. 15, It No. 4.31 of KPWD S.R 2016-17)								
	Plinth for Compound Wall	Sqm	2	400.00		0.30	240.00		
	Plinth for Compound Wall Top		2	400.00		0.20	160.00		
	Footing for Compound Wall		135*4	6.00		0.50	1620.00		
	Column for Compound Wall		135*4	0.23		4.00	496.80		
						Total Qty	2516.80	316.44	7,96,416.19
7	KSRB 4.9.2 : Providing TMT bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Page No. 17, It No. 4.46.2 of KPWD S.R 2016-17)								
	Steel								
	One cubic mt 70kg for Item no 8	Tonne	1	11.96			11.96		
						Total Qty	11.96	65455.56	7,82,946.35
8	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3its confirming to 1S9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for ail works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6(Page No. 14, It No. 4.13 of KPWD S.R 2016-17)								
	Plinth for Compound Wall	Cum	1	400.00	0.20	0.30	24.00		
	Plinth for Compound Wall Top		1	400.00	0.20	0.15	12.00		
	Footing for Compound Wall		135	1.50	1.50	0.35	106.31		
	Column for Compound Wall		135	0.23	0.23	4.00	28.57		
						Total Qty	170.88	6650.64	11,36,451.39
9	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications, specification. No. KBS 2.9(Page No. 6, It No. 2.10 of KPWD S.R 2016-17)								
	up to 50% of Excavation Qty Item No.2	Cum					525.64		
						Total Qty	525.64	137.16	72,096.44
10	KSRB 5-11: Providing and constructing load bearing wall with cement concrete cavity blocks (Hollow blocks) of size 400x200x200 mm Grade B having a minimum face shell thickness of 30mm and web thickness of 25mm with block density between 1100kg/m3 and 1500kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.KBS No.5.4.(Page No. 24, It No. 5.24.1 of KPWD S.R 2016-17)								
	For Compound Wall	Sqm	1	400.00		2.00	800.00		
	Deduct for Column		135	0.23		2.00	62.10		
						Total Qty	737.90	1023.84	7,55,491.54
11	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materialscutting, bending scaffolding wherever necessary, nicely finishing the weldedjoints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (Page No. 262, It No. 37.2 of KPWD S.R 2016-17)								
	Fencing Pol	M							
	Fencing Compound		91	2.50			227.50		
						Total Qty	227.50	884.52	2,01,228.30

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
								Sub Total	149,95,548.35
								Miscellaneous & Rounding Off	4,451.65
								Grand Total	150,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90

Consultants
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Assistant Engineer
Project Sub Division
BBMP - Bangalore

Assistant Executive Engineer
Project Sub Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Project Division
BBMP - Bangalore

ನಂ: 23/17-18 ದಿನಾಂಕ: 24/11/2017
ರೂ: one crore fifty lakhs only 150,00,000/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ.

ನಂ. CE/TS/273/17-18 ದಿನಾಂಕ: 28/11/2017
ರೂ. Rs 150.00 lakhs only/-
ಅಂತ್ರಕ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ~~ಆಡಳಿತಾತ್ಮಕ~~ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ.

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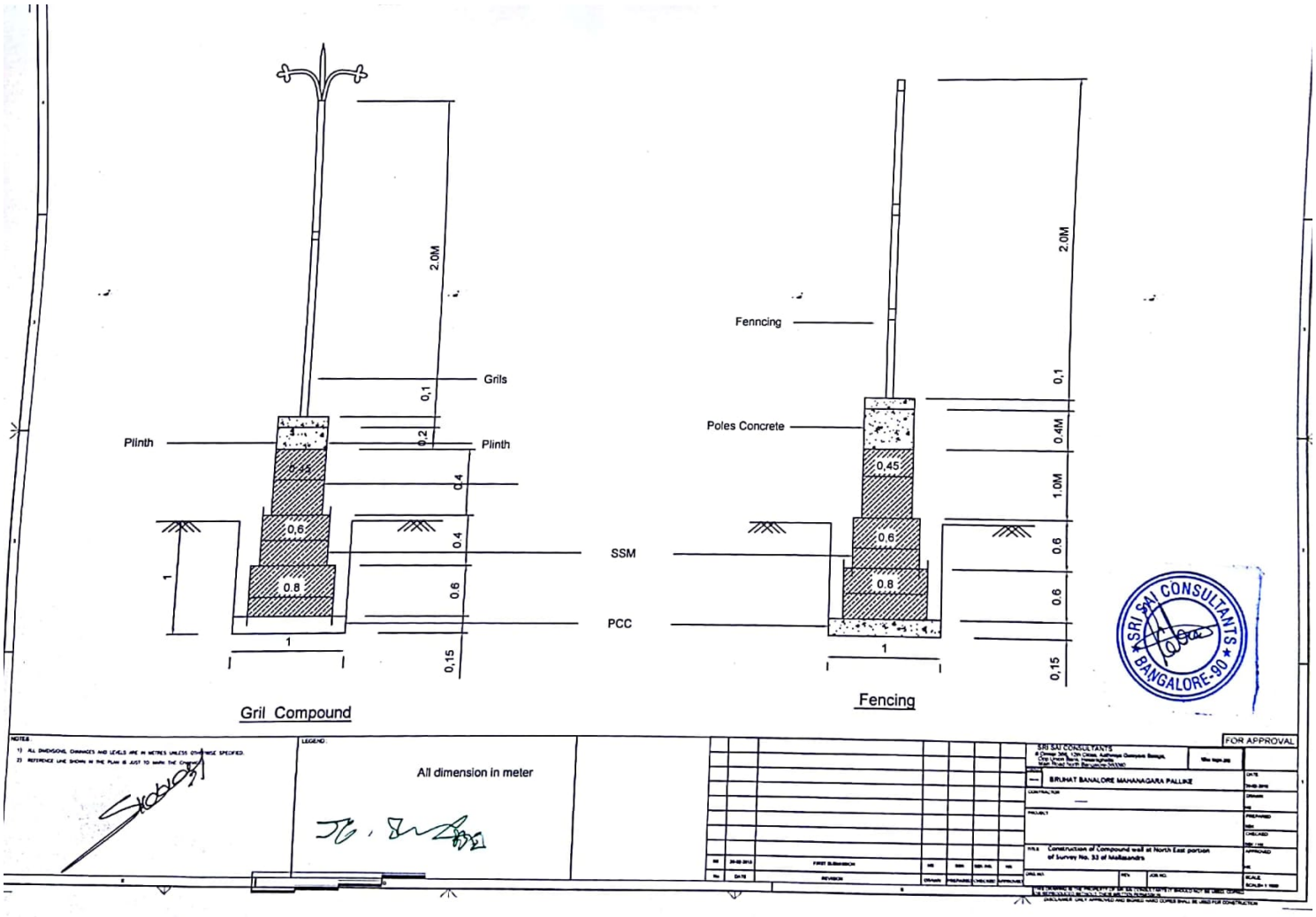

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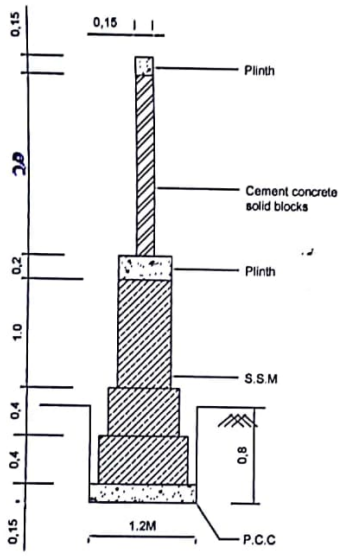
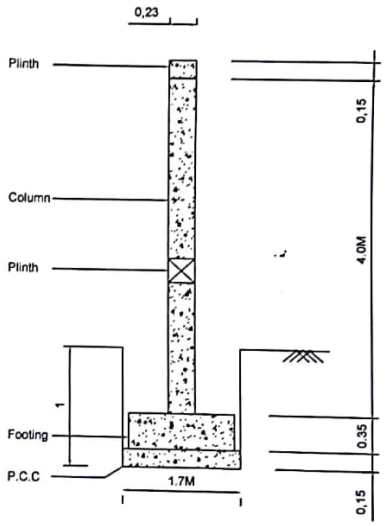


Compound Wall Cross Section



Column Cross Section

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NOTES

1) ALL DIMENSIONS, CHAINAGE AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2) REFERENCE LINE SHOWN IN THE PLAN IS JUST TO MARK THE CHAINAGES

LEGEND

All dimension in meter

FOR APPROVAL

SRI SAI CONSULTANTS

BRUHAT BANALORE MAHANAGARA PALIKE

Construction of Compound wall at North East portion of Survey No. 20 of Mallesandra

FIRST SUBMISSION

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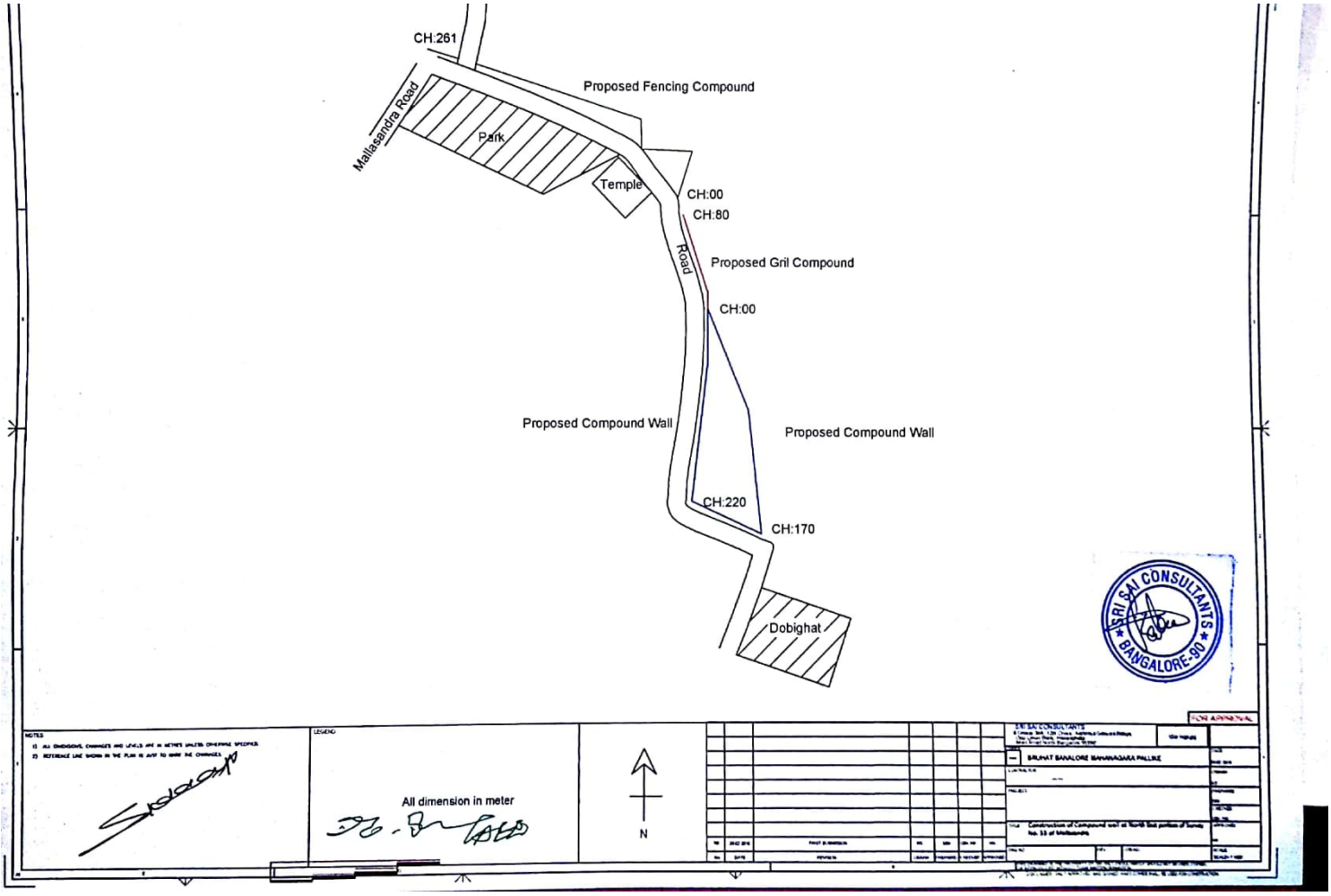

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